

## SEQUENCE LISTING

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<120> ENHANCED FUNCTIONAL EXPRESSION OF G PROTEIN-COUPLED  
RECEPTORS

<130> 01142.0101-00304

<140> PCT/US99/20011  
<141> 1999-09-01

<150> 60/098,704  
<151> 1998-09-01

<160> 63

<170> PatentIn Ver. 2.0

<210> 1  
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Oligonucleotide

<400> 1  
aaaagatcta aaatgtaccc ctacgacgtc ccc 33

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aaactcgagc tacaaggcct gctccggcac tcgc 34

<210> 3  
<211> 39  
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atagtcatga tgggtgaccgg tatgtaaaag gcagcgatc

39

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gccttcatca tcacgtggac cccctacacc

30

<210> 5  
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<400> 5  
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40

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Oligonucleotide

<400> 6  
gttgtagggg gtccacgtga tgatgaaggc

30

<210> 7  
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aaaagatcta aaatgtacgg aaaccagacg aac

33

<210> 8  
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ccagtagagg aagcacatga tggtcaggcc taagtagaag gcggccagtg c 51

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ttcatcatca cgtggactcc gtacaacatc 30

<210> 10  
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aaactcgagt tatctaattg tagacgcggc 30

<210> 11  
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<400> 11  
acttagatca aaaaatggag cgctcaagct gaaccg 36

<210> 12  
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<400> 12  
tcccgtcgac tcagccaggc cccagtgtgc tg 32

<210> 13  
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ggccaggatc caaaaatggg ctccctgcag ccggacgc

38

<210> 14

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 14

cgggccccgc gggcgctcgg ggcccagacc gttgggc

37

<210> 15

<211> 21

<212> DNA

<213> Artificial Sequence

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<400> 15

cgggcgacag cctgccgcgg c

21

<210> 16

<211> 34

<212> DNA

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<400> 16

agcggtcgac tcacacgac cgcttcctgt cccc

34

<210> 17

<211> 8

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<213> Rattus sp.

<400> 17

Gln Trp Val Gln Ala Pro Ala Cys

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5

<210> 18

<211> 31

<212> DNA

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31

<210> 19

<211> 36

<212> DNA

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ctcagagcgg cgtcgccgct gacacgaggg cgcccg

36

<210> 20

<211> 33

<212> DNA

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gcgccctcgt gtcagcggcg acgccgctct gag

33

<210> 21

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
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<400> 21

aaaactcgag ttacagatgg ctcagtgtgc t

31

<210> 22

<211> 38

<212> DNA

<213> Artificial Sequence

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<400> 22

agtcagatct aagcttaaaa atgcacctca acagctcc

38

<210> 23

<211> 27

<212> DNA  
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27

<210> 24  
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<400> 24  
 agagagatct ttagcgccac ccaggacaaa ggc

33

<210> 25  
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<220>  
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 Oligonucleotide

<400> 25  
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 ttgtcacctt acgtacaatc 80

<210> 26  
 <211> 80  
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<220>  
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 Oligonucleotide

<400> 26  
 tcgtgcgctt tatttgaatc ttattgatct agtgaattta ttgagttgct tcttggaag 60  
 ggcaagtgc caaacaatac 80

<210> 27  
 <211> 35  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence:  
 Oligonucleotide

<400> 27

tctcaagctt aaaaatgcg. ctcaacagct ccgcg

35

<210> 28

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 28

acacagatct ctagtacagc gtctcgcg

30

<210> 29

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 29

atttaagctt aaaaatggag ctgctcaagc tgaaccg

37

<210> 30

<211> 32

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 30

tcccagatct tcagccaggc cccagtggtc tg

32

<210> 31

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 31

atttagatct aaaaatggag ctgctcaagc tgaaccg

37

<210> 32

<211> 35

<212> DNA

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Oligonucleotide

<400> 32  
aaaaaagctt aaaaatggat gtggttgaca gcctt 35

<210> 33  
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<400> 33  
aaaaagatct tcagacccca ccgtggct 28

<210> 34  
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Oligonucleotide

<400> 34  
gtcaagatct aaaaatgacc ttgcacagta ac 32

<210> 35  
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<400> 35  
taccctcgag ctacaaggcc tgctccggc 29

<210> 36  
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<400> 36  
atccagatct aaaaatgtac ggaaaccaga cgaacgg 37

<210> 37  
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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 37

taagctcgag ttatctaatt gtagacgcgg cg

32

<210> 38

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<400> 38

aaaggatcca ggaactgtat aattaaagta

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<210> 39

<211> 27

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 39

atgtctagaa attaacaaca ataaaga

27

<210> 40

<211> 27

<212> DNA

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<400> 40

atttctagac attgtttcat taattga

27

<210> 41

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 41

tttgtcgact tatctcatca ctggcattta

30

<210> 42

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 42

aagtggatcc attgtttcga aggaattaca g

31

<210> 43

<211> 52

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 43

agctggatcc tcaaaacaaa ccacaatctt taaggttttg ctggatgatt ag

52

<210> 44

<211> 52

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 44

agctggatcc tcaaaacaaa ccacattctt taaggttttg ctggatgatt ag

52

<210> 45

<211> 52

<212> DNA

<213> Artificial Sequence

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Oligonucleotide

<400> 45

agctggatcc tcaatacaaaa ccacaacctt taaggttttg ctggatgatt ag

52

<210> 46

<211> 52

<212> DNA

<213> Artificial Sequence

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Oligonucleotide

<400> 46

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52

<210> 47

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<212> DNA  
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<400> 47  
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<400> 48  
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<210> 49  
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<210> 50  
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<210> 51  
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<400> 51  
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<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

<400> 56

Gly Cys Gly Leu Tyr  
1 5

<210> 57

<211> 5

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

<400> 57

Tyr Ile Gly Leu Cys  
1 5

<210> 58

<211> 4

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

<400> 58

Glu Tyr Asn Leu  
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<210> 59

<211> 5

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

<400> 59

Asp Ile Met Leu Gln  
1 5

<210> 60

<211> 5

<212> PRT

<213> Unknown

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<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

&lt;400&gt; 60

Gln Leu Met Leu Glu  
1 5

&lt;210&gt; 61

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

&lt;400&gt; 61

Glu Asn Phe Leu Val  
1 5

&lt;210&gt; 62

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

&lt;400&gt; 62

Glu Ile Asn Leu Leu  
1 5

&lt;210&gt; 63

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

<223> Description of Unknown Organism: Mammalian G alpha  
protein carboxy-terminus

&lt;400&gt; 63

Gln Tyr Glu Leu Leu  
1 5